

Receiving Report

Date:

14/8/29

Batch No:

M126231

Supplier:

AIR Dynamic

Dart P/O:

25988

Packing Slip: Yes ☒ No ☐

Invoice: Yes ☐ No ☒

Receipt: Cash ☐ Cr ☒

New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐

Waybill Attached: Yes ☐ No ☒

Shipment Complete: Yes ☒ No ☐

QC18 Inspection ☐

Work Order ☐

N/A ☐

N/A ☒

N/A ☐

N/A ☒

N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

Location

Kevin



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO25488**

Purchase Order Date 8/22/2014

PO Print Date 8/22/2014

Page Number 1 of 2

Order From :
AIR DYNAMICS
19420B CLARK GRAHAM AVENUE
BAIE D'URFE, QUEBEC H9X 3R8

VC-AD001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 514-457-4287

Ship To Contact
Ship To Phone
Ship Via: Purolator ground collect
Ship Acct:

Buyer Michael Gregoire
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	EC-3524 B/A	Void/Edge Sealling Compound (1/2 Gl.Kit)	8/29/2014 Yes 8/29/2014		1.00 Each	\$325.00	\$325.00
	Kevin Cadieux						
						Line Total:	\$325.00
2	71401-45		8/29/2014 No 8/29/2014		0.00 Each	\$0.00	\$0.00
	Procurement Quality Clauses A005 RIGHT OF ENTRY A012 CHEMICAL AND PHYSICAL TEST REPORTS A013 SHELF LIFE CONTROLLED MATERIAL; 80% SHELF LIFE REQUIRED AT RECEIPT A026 CERTIFICATION OF MATERIAL CONFORMANCE A027 FLAMMABILITY TEST A040 NOTIFICATION OF QUALITY ESCAPE A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS						

PO Instructions: Purolator Acc#7684382

Note:

8/22/2014

**RELEASE
CERTIFICATE**

AIR DYNAMICS

19420B Clark Graham Avenue
Baie d'Urfé, Québec, H9X 3R8

514-457-4287

AD-1(A)

NOMENCLATURE

PART NUMBER

MAKE

SERIAL NUMBER

NEW

REPAIRED

INSPECTED

OVERHAULED

MODIFIED

PREVIOUS CERTIFICATION

I HEREBY CERTIFY THAT THE AIRCRAFT PARTS, APPLIANCES AND/OR MATERIALS DESCRIBED HEREON
WERE ACQUIRED FROM A SOURCE OF SUPPLY THAT IS CONSISTANT WITH THE CONDITIONS UNDER
WHICH THE DEPARTMENT OF TRANSPORT DISTRIBUTOR APPROVAL NO. 12-89 HAS BEEN GRANTED.

DATE

INSPECTOR'S SIGNATURE

ADHESIVE - BLUE FILER
EC 3524A/B

3m

-

(exp. Feb. 5/2015)

B# 30727 LOT# 4122A4/421AJ

August 28, 2014

Brenda Shen

PTY. 1
1/2 GL.
KIT
AD
5

JE CERTIFIE PAR LES PRESENTES QUE LES PIECES D'AERONEFS
DECRIRES DANS LE PRESENT CERTIFICAT ONT ETE OBTENUES D'UNE
SOURCE D'APPROVISIONNEMENT CONFORME AUX CONDITIONS
AUXQUELLES LE CERTIFICAT D'AUTORISATION DE DISTRIBUTION
NO. 12-89 DU MINISTERE DES TRANSPORTS A ETE ATTRIBUE.

DATE

28 Août 2014

SIGNE

Brenda Shep

AD
5



E30727

26 AOUT 2014

Certificate of Analysis

AIR DYNAMICS CO. LTD.
19420B CLARK GRAHAM AVE.
BAIE D'URFÉ, QUÉ. H9X 3R8
TÉL: (514) 457-4287

Page 1 of 2

3M SPRINGFIELD
3211 E CHESTNUT EXPY
SPRINGFIELD MO 658022592 US

Date certificate is prepared: Aug-01-2014

Order Ship Date:

Aug-05-2014

The 3M product listed below was produced in accordance with standard manufacturing processes for the product in effect at the time of manufacture and is certified to meet the specifications displayed below. BMS 5-28AN, TYPE 9; Customer specification shelf life is 6 months from date of receipt when stored at 40 to 80 Deg. F. in original unopened container.

3M Invoice Number EX71614		Customer PO Number JX232	Customer Part Number
3M Stock Number 62-3524-6701-3 UPC Number 00021200208713	Product Description S/W VOID FILLING CMPD EC-3524 B/A BLUE 0.5 GAL KIT		
Shelf Life 6 MONTHS FROM SHIPMENT DATE		Storage Condition for this Product See customer specification shelf life statement.	

Base Lot Number:4122A4

Date of Manufacture:May-02-2014

Test Property	Min.Spec	Max.Spec	Units	Results
---------------	----------	----------	-------	---------

Accelerator Lot Number:4121AJ

Date of Manufacture:May-01-2014

Test Property	Min.Spec	Max.Spec	Units	Results
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Combined Base Accelerator

Test Property	Min.Spec	Max.Spec	Units	Results
Handling Properties	Pass		P/F	P
Compressive Modulus @ 75 F AVERAGE	60		KSI	82
Compressive Strength @ 75 F AVERAGE	2		KSI	3
Work-Life (50 grams) AVERAGE	60		MIN	90

Please contact your 3M Customer Service Representative if you have any questions.

Warranty and Limited Remedy: Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable 3M specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is shown to be nonconforming within the warranty period, your exclusive remedy and 3M's sole obligation will be, at 3M's option, to replace the nonconforming 3M product or refund the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct,

3M Canada Company
1840 Oxford Street East, Post Office Box 5757
London, Ontario N6A 4T1
Medical Emergency Telephone: (519) 451-2500, Ext. 2222
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

Material Safety Data Sheet

Document id : 11-3183-8 Issue date : 2014/02/19
Version : 14.00 Supersedes date : 2011/09/08

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M(TM) SCOTCH-WELD (TM) EC-3524 B/A VOID FILLING COMPOUND

Product ID:

62-3524-6101-6 XT-0615-6731-6 XS-0615-6587-2 XS-0414-1693-3

62-3524-6701-3 62-3524-8640-1

Intended Use of Product:

Void Filling Compound

Kit component(s):

10-4960-0 3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART A VOID FILLING COMPOUND

10-4959-2 3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID FILLING COMPOUND

Division:

Aerospace Aircraft Maint Division

3M Canada Company
1840 Oxford Street East, Post Office Box 5757
London, Ontario N6A 4T1
Medical Emergency Telephone: (519) 451-2500, Ext. 2222
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

Material Safety Data Sheet

Document id : 10-4959-2 Issue date : 2014/02/19
Version : 14.00 Supersedes date : 2011/09/08

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID FILLING COMPOUND

Product ID:

62-3524-9501-4

Intended Use of Product:

Industrial use;

Void Filling Compound

Division:

Aerospace Aircraft Maint Division

2 Hazards Identification

Critical Hazards:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

May cause target organ effects after skin contact.

May cause target organ effects after inhalation.

Fibrosis: Signs/symptoms can include breathlessness, chronic dry cough, phlegm production, wheezing, and changes in lung function tests.

WARNING: Contains a chemical which can cause cancer. (1309-64-4)
(ACGIH suspected human carcinogen A2, IARC possible human carcinogen 2B, Calif. Proposition 65)

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID
FILLING COMPOUND

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See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
EPOXY RESIN	25085-99-8	40 - 70
GLASS BUBBLES	65997-17-3	10 - 30
BROMINATED ALIPHATIC POLYOL	31452-80-9	10 - 30
POLYEPOXY RESIN		
ANTIMONY TRIOXIDE	1309-64-4	1 - 5

NOTE:

Each percentage is expressed as the ratio of the weight of the

ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Instructions for Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

Instructions for Ingestion:

Rinse mouth. If you feel unwell, get medical attention.

Special Instructions:

Not applicable

5 Fire Fighting Measures

Flash point: ≥ 93.3 C CC

Lower Explosive Limit (%): Not applicable

Upper Explosive Limit (%): Not applicable

Autoignition temperature: Not Available

Suitable Extinguishing Media:

In case of fire: Use a fire fighting agent suitable for flammable liquids and solids such as dry chemical or carbon dioxide.

Exposure Hazards during Fire:

No data available.

Combustion Products from Fire:

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID
FILLING COMPOUND

Page 3 of 9 □

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Oxides of Antimony - During Combustion

Unusual Fire and Explosion Hazards

None inherent in this product.

Fire Fighting Procedures:

No unusual fire or explosion hazards are anticipated. Evacuate area.

NFPA: Health 2

NFPA: Fire 1

NFPA: Reactivity 0

NFPA: Unusual Reaction Hazard

none

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

6 Accidental Release Measures

Personal Precautions:

Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

Environmental Procedures

No data available.

Methods for cleaning up

Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Seal the container. Dispose of collected material as soon as possible.

Spill Response:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation,

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID
FILLING COMPOUND

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and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

Store away from oxidizing agents.

Ventilation:

No data available.

Explosion Prevention:

Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

Use Instructions:

For industrial or professional use only. Avoid breathing of dust created by cutting, sanding, grinding or machining. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Use personal protective equipment (gloves, respirators, etc.) as required. Avoid release to the environment.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

Full faceshield

Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

nitrile rubber;

polyethylene/ethylene vinyl alcohol;

Skin Protection:

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID
FILLING COMPOUND

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The following protective clothing material(s) are recommended:

Apron - Polyethylene/ethylene vinyl alcohol

Apron - Nitrile

Respiratory Protection:

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters

Ingestion (Prevention):

No data available.

Recommended Ventilation:

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

EPOXY RESIN (25085-99-8)

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

GLASS BUBBLES (65997-17-3)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

3M: TWA 5 mg/m3 (Inhalable fraction) 10 mg/m3 3M: TWA; as dust;

Comments: nuisance particulate.

BROMINATED ALIPHATIC POLYOL POLYEPOXY RESIN (31452-80-9)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

—No data available.

ANTIMONY TRIOXIDE (1309-64-4)

Specific Ingredient Data

LD50 (rabbit, dermal): > 8 g/kg

LD50 (rat, oral) > 34,600 mg/kg

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 0.5 mg/m3 as Sb; Category: ANTIMONY COMPOUNDS

CMRG: TWA 0.2 mg/m3 as Sb; 0.5 mg/m3 ACGIH: TWA; as Sb; Category:

ANTIMONY COMPOUNDS 0.2 mg/m3 CMRG: TWA; as Sb

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID

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FILLING COMPOUND

9 Physical and Chemical Properties

Physical form, Color, Odour:	Liquid; paste; Blue; characteristic epoxy odour;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	>= 149 C
Melting point/melting range:	Not available
Vapour pressure:	Not applicable
Water Solubility:	Nil
Partition coefficient (K o/w):	Not Available
Specific gravity:	0.54 Water=1
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	>= 100000 centipoise at 23 C
Percent Volatile:	0 % by weight

10 Stability and Reactivity

Conditions to Avoid:

Not determined

Materials to Avoid:

Strong oxidizing agents;

Hazardous Decomposition:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Oxides of Antimony - During Combustion

Stability and Reactivity:

Stable. Hazardous polymerization will not occur. This material is considered to be non reactive under normal use conditions.

11 Toxicological Information

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Dust created by cutting, grinding, sanding, or machining can cause eye irritation: Signs/symptoms can include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

May cause target organ effects after skin contact.

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID
FILLING COMPOUND

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Effects from Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May cause target organ effects after inhalation.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Carcinogenicity:

WARNING: Contains a chemical which can cause cancer. (1309-64-4)
(ACGIH suspected human carcinogen A2, IARC possible human carcinogen 2B, Calif. Proposition 65)

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

Other Effects & Information:

Fibrosis: Signs/symptoms can include breathlessness, chronic dry cough, phlegm production, wheezing, and changes in lung function tests.

Dermal Effects: Signs/symptoms may include redness, itching, acne, or bumps on the skin.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID
FILLING COMPOUND

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13 Disposal Considerations

Product as Sold:

No data available.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transport Information

Transportation of Dangerous Goods

TDG Classification:

Non-Regulated Material (TDG Information is based on the classification for the entire kit and not necessarily this component individually)

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

15 Regulatory Information

WHMIS Classification:

D2A, D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

AICS - Australian Inventory of Chemical Substances

TSCA - Toxic Substances Control Act (USA)

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART B VOID
FILLING COMPOUND

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PICCS - Philippines Inventory of Commercial Chemical Substances
The components of this product are in compliance with the chemical notification requirements of CEPA.

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 2 - Hazards Identification - Critical Hazards;

Section 4 - First Aid Measures;

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 10 - Stability and Reactivity;

Section 11 - Toxicological Information;

WHMIS Classification change

Section 15 - Regulatory Information: Product Certifications

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---End---

3M Canada Company

1840 Oxford Street East, Post Office Box 5757

London, Ontario N6A 4T1

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Transportation Emergency Telephone (CANUTEC): (613) 996-6666

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Material Safety Data Sheet

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Document id	: 10-4960-0	Issue date	: 2014/02/19
Version	: 24.00	Supersedes date	: 2011/09/08

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3m.ca

1 Chemical Product and Company Identification

Tradename:

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART A VOID FILLING COMPOUND

Product ID:

Intended Use of Product:

Void Filling Compound

Division:

Aerospace Aircraft Maint Division

2 Hazards Identification

Critical Hazards:

Corrosive (Eye Burns): Signs/symptoms can include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Severe Skin Irritation: signs/symptoms can include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

See Sections 7 and 11 for further information.

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART A VOID
FILLING COMPOUND

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3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
ALIPHATIC POLYMER DIAMINE	68911-25-1	30 - 60
GLASS BUBBLES	65997-17-3	10 - 30
FLAME RETARDANT	13560-89-9	10 - 30
2,4,6-TRIS (DIMETHYLAMINO)METHYL PHENOL	90-72-2	5 - 10
1-PROPANAMINE, 3,3'-+OXYBIS(2,1- ETHANEDIYLOXY)_BIS-, POLYMER WITH (Z, Z)-9,12-OCTADECADIENOIC ACID DIMER	68541-13-9	5 - 10
BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL	4246-51-9	5 - 10
TRIPHENYL PHOSPHITE	101-02-0	1 - 5

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 30 minutes. Get immediate medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with

large amounts of water for at least 20 minutes or until chemical is removed. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention.

5 Fire Fighting Measures

Flash point:	>= 93.3 C
Lower Explosive Limit (%):	Not applicable
Upper Explosive Limit (%):	Not applicable
Autoignition temperature:	Not Available

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry

3M(TM) SCOTCH-WELD(TM) EC-3524 B/A PART A VOID
FILLING COMPOUND

Page 3 of 10 □

chemical, carbon dioxide).

Exposure Hazards during Fire:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Combustion Products from Fire:

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health	3
NFPA: Fire	1
NFPA: Reactivity	0
NFPA: Unusual Reaction Hazard	none

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

6 Accidental Release Measures

Personal Precautions:

Evacuate unprotected and untrained personnel from hazard area. The

spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

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Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS.

Spill Response:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

Store away from heat;
Store out of direct sunlight.
Store away from acids;
Store away from oxidizing agents.
Amines;
Strong bases;

Ventilation:

Keep container in well-ventilated area.

Use Instructions:

For industrial or professional use only.
Keep container tightly closed. Avoid contact with oxidizing agents.
Avoid eye contact.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.
 The following should be worn alone or in combination, as appropriate, to prevent eye contact:
 Safety glasses with side shields
 Indirect vented goggles;

Hand Protection:

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Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

polyethylene/ethylene vinyl alcohol;
 polyvinyl chloride;

Skin Protection:

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.

Avoid breathing of dust created by cutting, sanding, grinding or machining.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Provide appropriate local exhaust for cutting, grinding, sanding or machining.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

ALIPHATIC POLYMER DIAMINE (68911-25-1)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

GLASS BUBBLES (65997-17-3)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

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3M: TWA 5 mg/m3 (Inhalable fraction) 10 mg/m3 3M: TWA; as dust;
Comments: nuisance particulate.

FLAME RETARDANT (13560-89-9)

Specific Ingredient Data

LD50 (rabbit, dermal): 8 g/kg
LD50 (rat, oral) 25,000 mg/kg 25 g/kg
LC50 (rat, inhalation/4 hours) 85 ppm
Exposure Limits

No data available.

2,4,6-TRIS (DIMETHYLAMINO)METHYL PHENOL (90-72-2)

Specific Ingredient Data

LD50 (rat, dermal): 1280 mg/kg
LD50 (rat, oral) 1200 mg/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits

CMRG: TWA 5 ppm

1-PROPANAMINE, 3,3'-+OXYBIS(2,1-ETHANEDIYLOXY)_BIS-, POLYMER WITH (Z,Z)-9, 12-OCTADECADIENOIC ACID DIMER (68541-13-9)

Specific Ingredient Data

No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits

No data available.

BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL (4246-51-9)

LD50 (rat, oral) 4290 mg/kg
LD50 (dermal, rabbit) 2500 mg/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits

No data available.

TRIPHENYL PHOSPHITE (101-02-0)

LD50 (rat, oral) 444 mg/kg
LD50 (dermal, rabbit) 2 - 5 g/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits

CMRG: TWA 0.1 mg/m3

9 Physical and Chemical Properties

Physical form, Color, Odour:	Liquid; paste; White; characteristic amine odour;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	>= 94 C
Melting point/melting range:	Not Available
Vapour pressure:	Not applicable
Water Solubility:	Nil
Partition coefficient (K o/w):	Not Available

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Specific gravity:	0.5 Water=1
Vapour density:	Not applicable
Volatile organic compounds:	Not applicable
Evaporation rate:	Not applicable
Viscosity:	>= 100000 centipoise at 23 C
Percent Volatile:	0 % by weight

10 Stability and Reactivity

Conditions to Avoid:

Store away from heat;
Store out of direct sunlight.

Materials to Avoid:

Amines;
Strong acids;
Strong bases;
Strong oxidizing agents;

Hazardous Decomposition:

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

Stability and Reactivity:

Stable. Hazardous polymerization will not occur. This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

11 Toxicological Information

Effects from Eye Contact:

Corrosive (Eye Burns): Signs/symptoms can include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Vapours released during curing may cause eye irritation.

Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Dust created by cutting, grinding, sanding, or machining can cause eye irritation: Signs/symptoms can include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Severe Skin Irritation: signs/symptoms can include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Effects from Inhalation:

Vapours released during curing may cause irritation of the

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respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

No data available.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

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14 Transport Information

Transportation of Dangerous Goods

TDG Classification:

Non-Regulated Material (TDG Information is based on the classification for the entire kit and not necessarily this component individually)

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification

information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

15 Regulatory Information

WHMIS Classification: D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

AICS - Australian Inventory of Chemical Substances

TSCA - Toxic Substances Control Act (USA)

DSL - Domestic Substances List (Canada)

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16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 2 - Hazards Identification - Critical Hazards;

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

WHMIS Classification change

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

---End---

